



WASHING MACHINE SERVICE MANUAL

CAUTION

READ THIS MANUAL CAREFULLY TO DIAGNOSE TROUBLES
CORRECTLY BEFORE OFFERING SERVICE.

MODEL : WD-1433RD



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1. SPECIFICATION

ITEM		WD-1433RD	
POWER SUPPLY		220V-240V~, 50HZ	
PRODUCT WEIGHT		61kg	
ELECTRICITY CONSUMPTION	WASHING	135W	
	SPIN	530W	
	FAN MOTOR	25W	
	DRAIN MOTOR	32W	
	WASH HEATER	2000W	
	DRY HEATER	1200W	
REVOLUTION SPEED	WASH	45rpm	
	SPIN	WD-1433RD	400/600/800/1000/1200/1400 rpm
		WD-1233RD	400/600/800/1000/1200 rpm
OPERATION WATER PRESSURE		0.3-10kgf/cm ² (30-1000kPa)	
CONTROL TYPE		Electronic	
WASH CAPACITY		7.0kg (Cotton)	
DRY CAPACITY		4.0kg (Cotton)	
DIMENSION		600mm(W) × 550mm(D) × 850mm(H)	
WASH PROGRAM		Cotton, Cotton-Eco, Synthetic, Delicate, Wool/Silk, Hand Wash, Quick 30	
OPTION		Intensive, Rinse Hold, Rinse+, Pre Wash, Dry	
DOOR SWITCH TYPE		Bi-Metal type	
WATER LEVEL		9 steps (by sensor)	
RESERVATION		From 3 hours to 19 hours	
SENSING OF THE LAUNDRY AMOUNT		Adapted	
FUZZY LOGIC		Adapted	
DISPLAY OF THE REMAINING TIME		Adapted	
ERROR DIAGNOSIS		10 items	
POWER AUTO OFF		Adapted	
CHILD LOCK		Adapted	
AUTO RESTART		Adapted	
TIME SAVE		Adapted	

2. FEATURES & TECHNICAL EXPLANATION

2-1.FEATURES



■ Automatic process from washing to drying.

Automatic process from washing to drying can be selected easily.

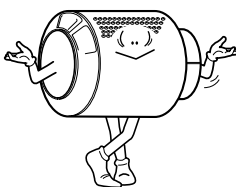
Washing capacity : 7 kg (Cotton)

Drying capacity : 4 kg (Cotton)



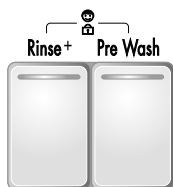
■ More economical by Intelligent Wash System

Intelligent Wash System detects the amount of load and water temperature, and then determines the optimum water level and washing time to minimize energy and water consumption.



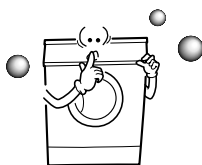
■ Direct Drive system

The advanced Brushless DC motor rotates the Drum directly without belt and pulley.



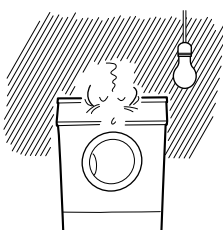
■ Child-Lock

The Child-Lock system has been developed to prevent children from pressing any button to change the program during operation.



■ Low noise speed control system

By sensing the amount of load and balance, evenly distributes load to minimize the spinning noise level.

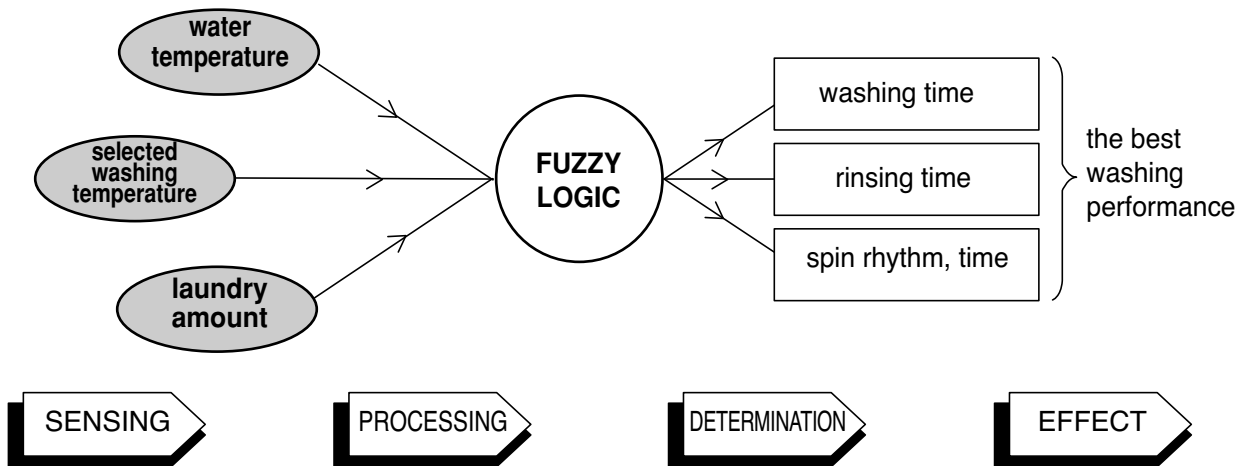


■ Auto Restart

Although the washing machine is turned off by a power failure, it restarts automatically in its stopped process when power is supplied again. And it will be the same when the machine unplugged in operation is plugged in again.

2-2.DETERMINE WASHING TIME BY FUZZY LOGIC

To get the best washing performance optimal time is determined by sensing of water temperature, selected washing temperature and laundry amount.



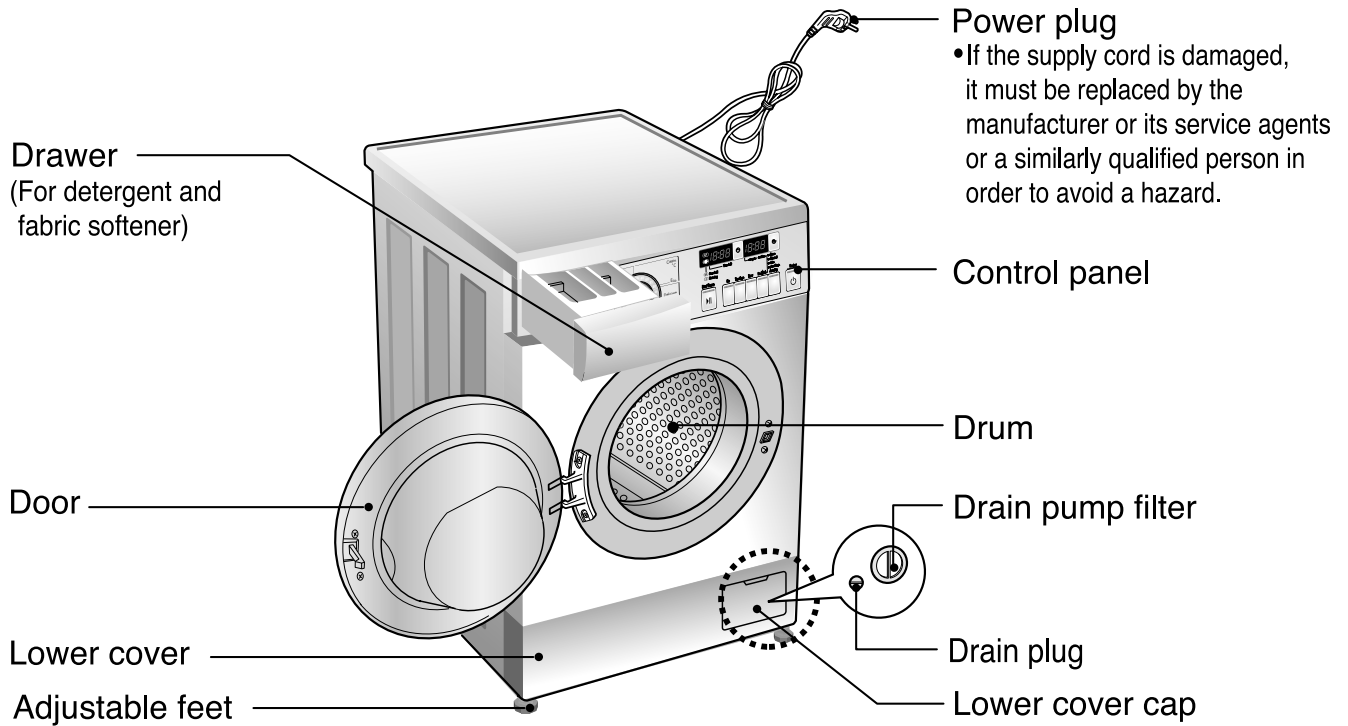
2-3.WATER LEVEL CONTROL

- This model adopts a pressure sensor which can sense the water level in the tub.
- Water supply is stopped when the water level to the preset level, then washing program proceeds.
- Spinning does not proceed until the water in the tub reduces to a certain level.

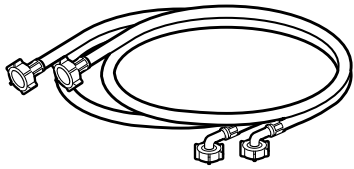
2-4.THE DOOR CAN NOT BE OPENED

- While program is operating.
- While **Door Lock** light turns on.

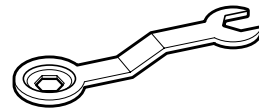
3. PARTS IDENTIFICATION



■ ACCESSORIES



Inlet hose(1EA) ※ Option 2EA



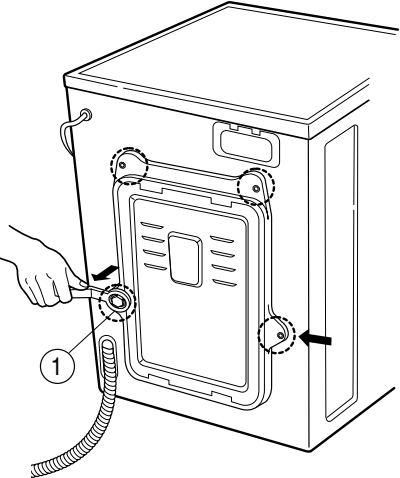
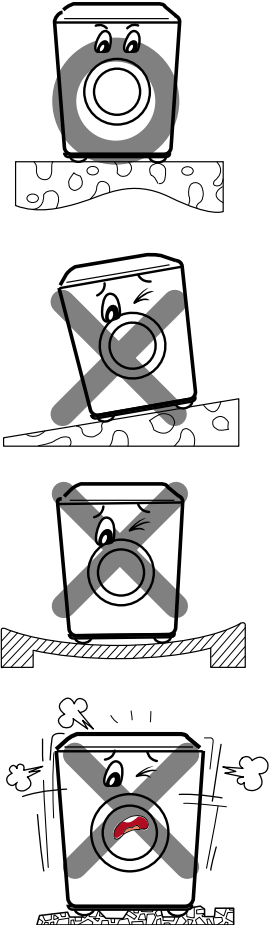
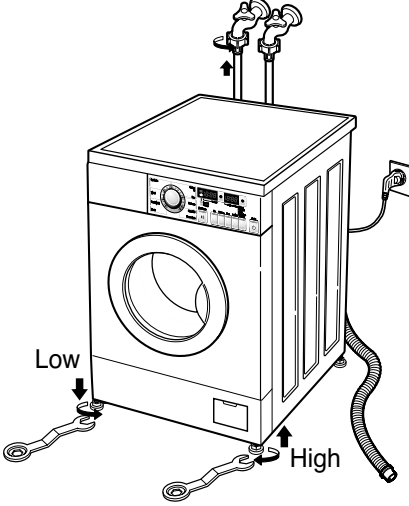
Spanner

4. INSTALLATION

- 1 Before servicing ask troubles of customers
- 2 Check the adjustment(power supply is 220-240V~, remove the transit bolts....)
- 3 Check the troubles referring to the trouble shooting.
- 4 Decide service steps referring to disassembly instructions.
- 5 And then, service and repair.
- 6 After servicing, operate the appliance whether it works O·K or NOT.

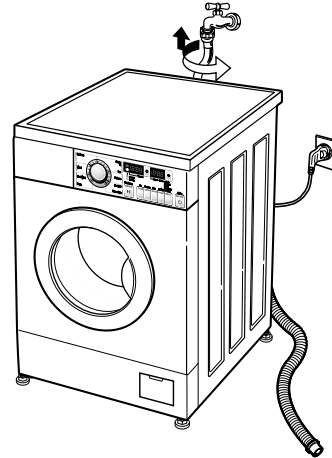
■ STANDARD INSTALLATION

The appliance should be installed as follows.

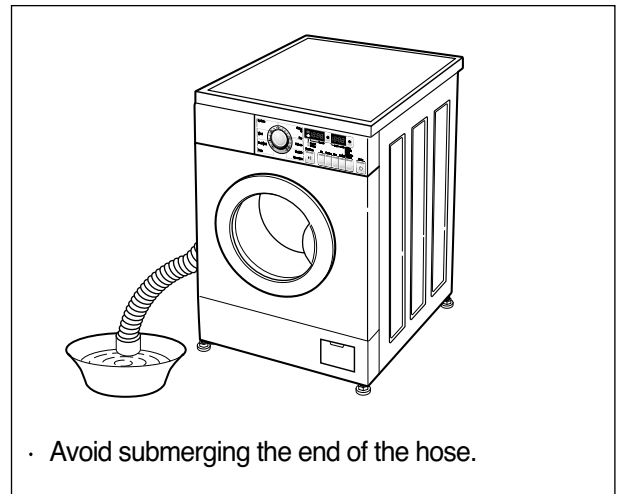
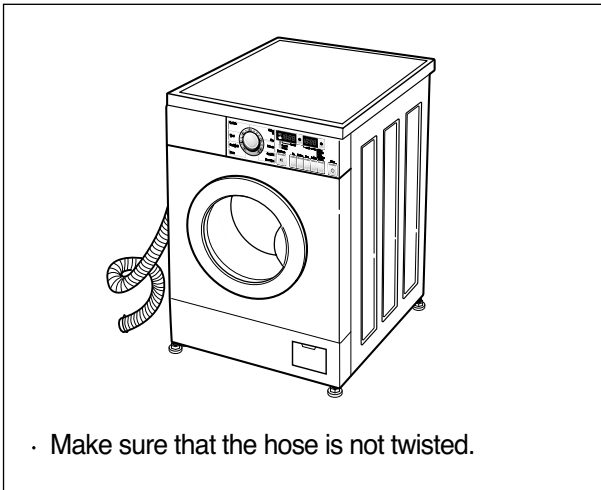
REMOVE THE TRANSIT BOLTS	INSTALL THE APPLIANCE ON FLAT AND FIRM SURFACE	ADJUST THE HORIZONTAL
<ul style="list-style-type: none"> • Remove the transit bolts (4EA: ①) with supplied spanner. • Keep the transit bolts and spanner for future use. • Insert the 4 caps provided into the hole 		<ul style="list-style-type: none"> • Turn the leveling feet to set the appliance horizontally.  <ul style="list-style-type: none"> • The appliance goes up by rotating the feet clockwise. • The appliance come down by rotating the feet counter clockwise.

■ HOW TO CONNECT INLET HOSE

- Check that the rubber packing is inside of the valve connector.
- Connect the inlet hose firmly to prevent leak.

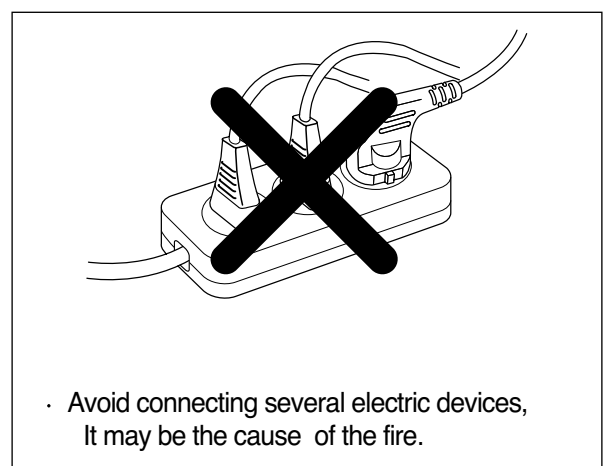
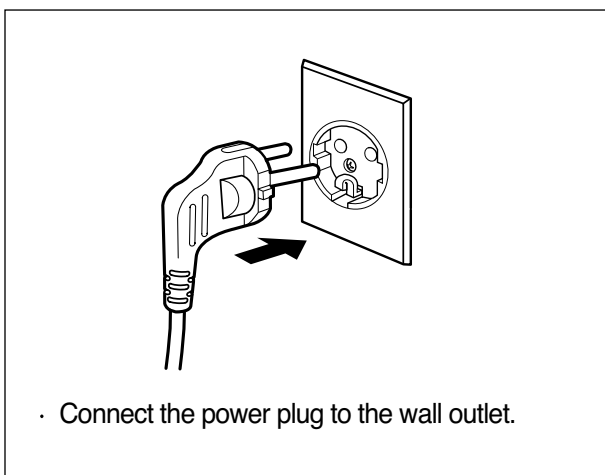


■ CONNECT DRAIN HOSE

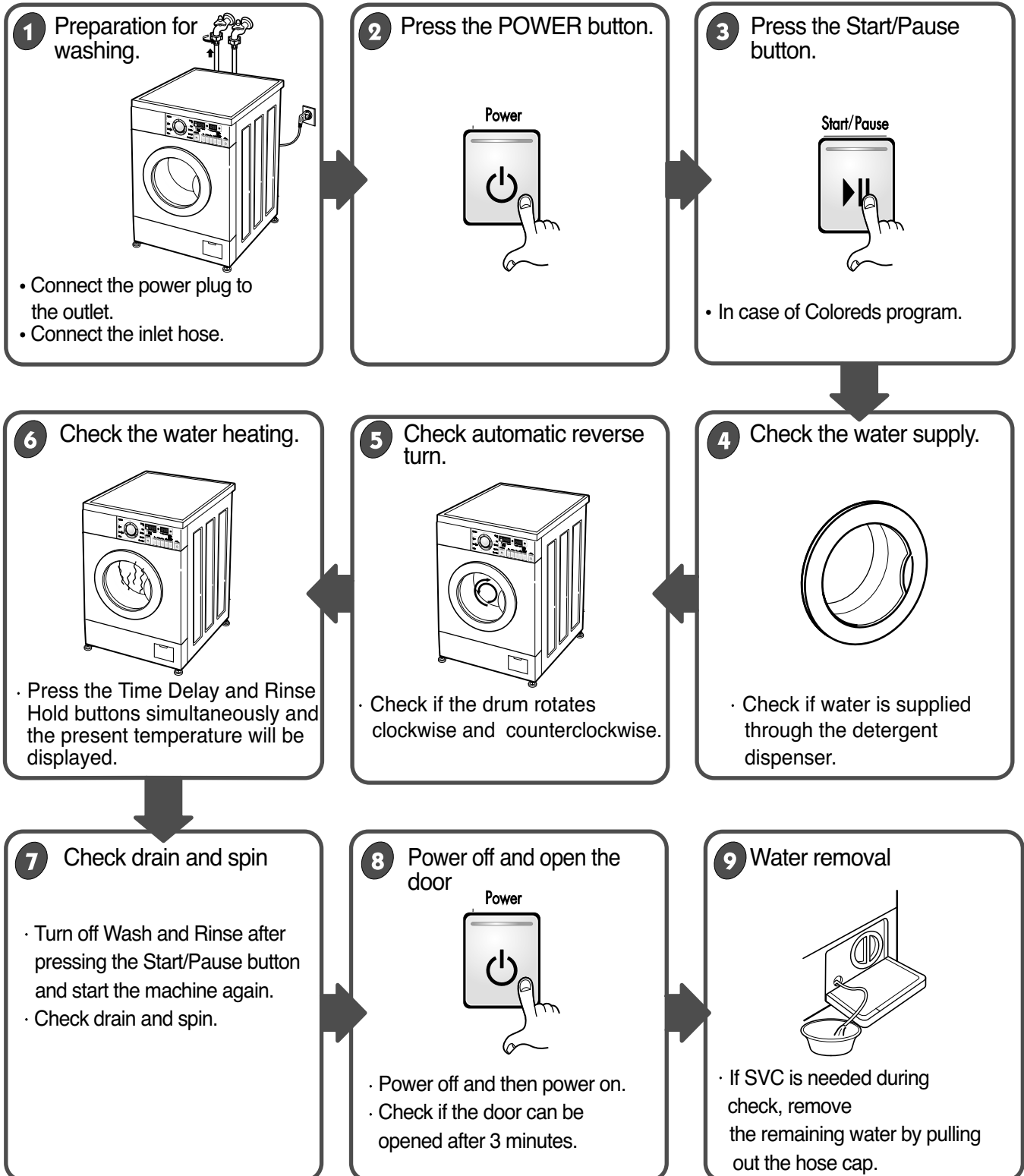


※ The drain hose should be placed under 100cm from the floor.

■ CONNECT POWER PLUG



7 TEST OPERATION



5. OPERATION

Wash program selector

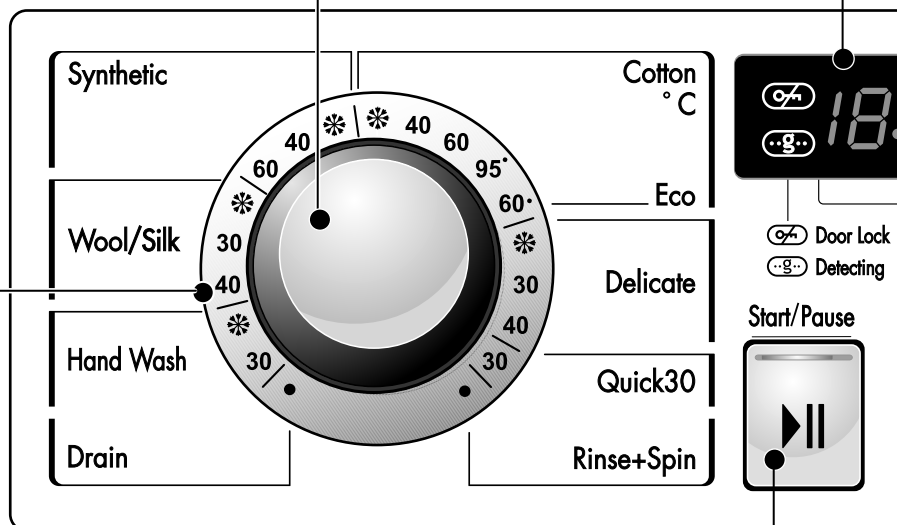
- 8 program can be set depending on the type of the laundry.
- If the power button is pressed, Cotton program is automatically set.
- By turning the dial, [Cotton–Synthetic –Wool/Silk–Hand Wash – Drain–Rinse+Spin–Quick 30–Delicate]can be selected. (The opposite is possible)

LED display

- Display the estimated remaining time (Hour : Minute) to finish.
- In case of abnormal operation, error indications are displayed. (IE, OE, UE, dE, tE, FE, PE, CE, LE, dHE)
- See troubleshooting guide.

Water temperature selector

- Press the button to select water temperature.
- 95°C is selected for Cotton only.
- By pressing the button while operating the washer, the present temperature is displayed.



Start/Pause button

- Use the button to start or pause wash cycle.
- The power turns off automatically 4 minutes after the pause button is pressed.

Intensive

- If the laundry is heavily soiled "Intensive" option is effective.
- By selecting the Intensive option, the wash time may be extended, depending on the program selected.

Rinse Hold

- Is selected by pressing the Rinse Hold button this function leaves clothes in the machine; suspended in the water after a rinse without entering into spin.
- To proceed through to a drain or spin, once the rinse hold function is completed using to program dial scroll to the required program. (Spin)

Time Delay

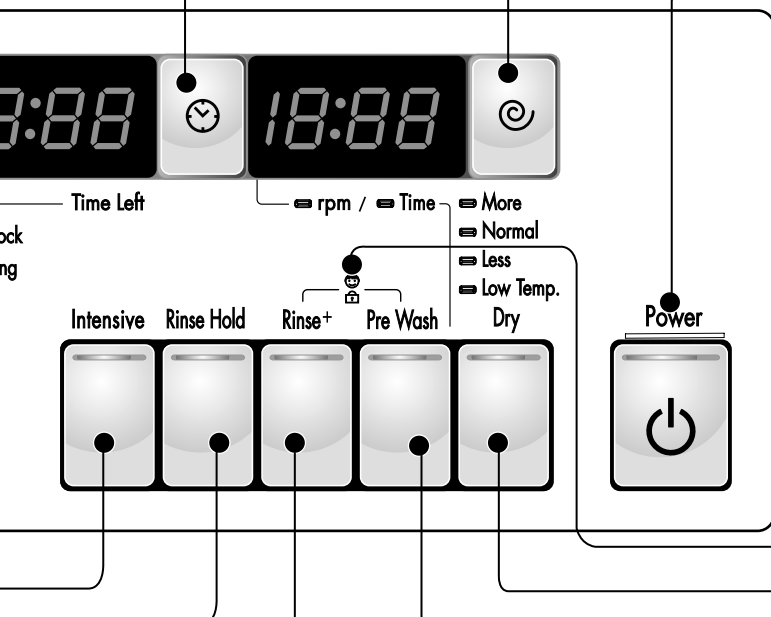
- Press the button when delayed washing is needed.
- When the button is pressed, 3:00 is displayed, maximum delay of 19:00 hours can be set.
- Each press advances time delay by the hour.
- Use [Power] button to cancel [Time Delay]
- [Time Delay] means the time required from the present to the completion of washing.

Spin button

- By pressing the Spin button the spin speed can be chosen.

Power button

- Press the button to turn power on and off.
- Press the button to cancel the delay finish.



Child - Lock

- **Child Lock** system can be set and canceled by pressing and holding both [Rinse+] and [Pre Wash] buttons simultaneously more than 2 seconds.
- Once **Child Lock** is set, all buttons are inoperable except power button.
- **Child Lock** system can be set anytime even during Power-off and operation.
- It is automatically cancelled when an operational error occur.

Rinse+

- For additional rinse which may assist in removing traces of detergent residue.
- By selecting Rinse+ function, the rinse time and the rinse water are increased.

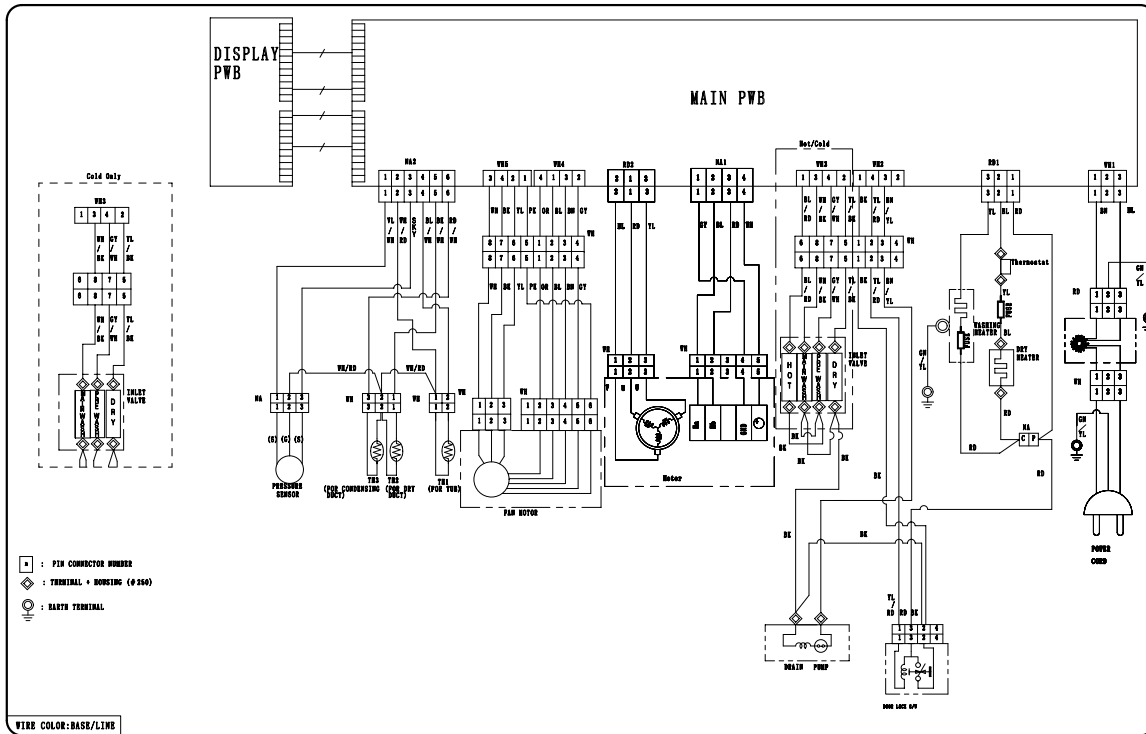
Pre Wash

- If the laundry is heavily soiled, "Pre Wash" course is effective.
- Pre Wash is available in Cotton and Synthetic.

Dry

- If you want Dry, select this button.
- By pressing the button [Normal – More – Time – Low Temp. – Less]

6. WIRING DIAGRAM / PROGRAM CHART



* Water Supply : W·S * Intermittent Spin : I·S * Disentangle : D·T

CYCLE STEP COURSE Time (SEC)	Washing				Rinse												Spin			A U T O F F	Normal Working Time (Hour:Minute) (With Intensive)										
	Pre		Main		Normal						Rinse +						Drain	Spin	D·T												
	W·S	Washing	Drain	I·S	W·S	Washing	Staycooling	1		2		3		4																	
								W·S	Rinsing	Drain	I·S	W·S	Rinsing	Drain	I·S	W·S	Rinsing	Drain	I·S			W·S	Rinsing	Drain	Spin	D·T					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Cotton(BIG)		8				44																									2:47
Cotton(Small)		8				42																									2:04
Synthetic						51																									1:39
Delicate						4																									1:03
Wool/Silk						18																									1:01
Handwash						4																									55
Quick						24																									40
Rinsing + Spin																															24
Drain																															1

- * **Basic Cycle**
- * **Optional Cycle**
- * Pre-Setting Time : Water Supply - 120 sec.
Drain - 60 sec.
- * ~ Time for varies as the temperature or the amount of laundry

- * Basic time is minute in washing chart
- * The actual program time can be varied with the load amount, water temperature or ambient temperature

7. TROUBLE SHOOTING

7-1. BEFORE PERFORMING SERVICE

- Be careful of electric shock or disconnecting the parts while troubleshooting.
- Voltage of each terminal in 220-240V~ and DC while applying an electric current.

7-2. QC TEST MODE.

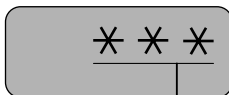
- ① Press **Intensive** and **Rinse Hold** button simultaneously.
- ② Power supply on with pressing upper two buttons. Then buzzer sound twice.
- ③ Press the Start/Pause button as follows.

[Press the Start/Pause button more 4 times until stop spinning]

Pressing number of [Start/Pause] button	Checking Point	Display Status
None	All lamps turn on	
1 time	Counterclockwise spin (left)	Drum rpm (About 40~52)
2 times	Low speed Spin	Drum rpm (About 55~70)
3 times	High speed Spin	Drum rpm (About 130~143)
4 times	Inlet valve for prewash operation	Water level frequency (25~65)
5 times	Inlet valve for mainwash operation	Water level frequency (25~65)
6 times	Hot inlet valve in case of hot water fill	
7 times	Inlet valve for Dry operation	Water level frequency (25~65)
8 times	Clockwise spin (right)	Drum rpm (About 40~52)
9 times	Wash Heater is in operation for 3 sec.	Water temperature
10 times	Dry Heater & Dry fan operation	
11 times	Dry fan & motor turns on	
12 times	Auto off operation	

7-3. HOW TO KNOW THE WATER LEVEL FREQUENCY

* Press the **Rinse Hold** button.



● The digits means water level frequency (10^{-1} kHz)









ex) 241 : Water level frequency = 241×10^{-1} kHz
=24.1 kHz




7-4. HOW TO KNOW TO TEMPERATURE OF EACH THERMISTOR AT OPERATING CONDITION.

- Thermistor in tub : Press the [TIME DELAY] and [RINSE HOLD] button.
- Thermistor in dry duct : Press the [DRY] button.

7-5.ERROR DISPLAY.

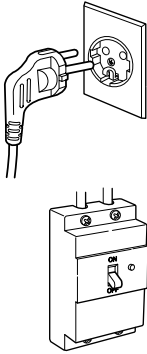


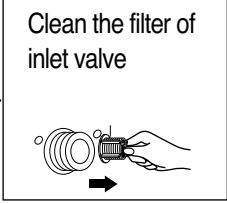
- If you press the Start/Pause button in error condition, any error except 'PE' will disappear and the machine will change into pause status.
- In case of 『PE』, 『LE』, 『HE』, if the error is not resolved within 20 sec., and in case of other errors, if the error is not resolved within 4 min., power will be turned off automatically and the error only will be blinked. But in case of 『FE』, power will not be turned off.



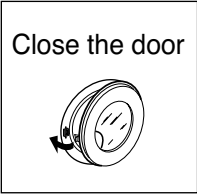

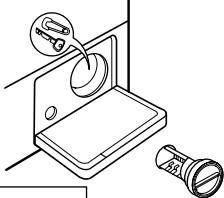
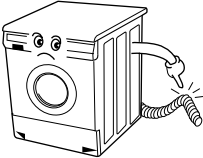
	ERROR	SYMPTOM	CAUSE
1	WATER INLET ERROR		<ul style="list-style-type: none"> • Not reached to the water level(2 level)within 4 minutes after water supplied or not reached to the preset water level within 25 minutes.
2	DRAIN ERROR		<ul style="list-style-type: none"> • Not fully drained within 5 minutes.
3	OVERFLOW ERROR		<ul style="list-style-type: none"> • Water is over flowing(over 8 level). ※ If  is displayed, drain pump operates to drain water automatically.
4	SENSOR PRESSURE S/W ERROR		<ul style="list-style-type: none"> • The sensor pressure switch is out of order.
5	DOOR OPEN ERROR		<ul style="list-style-type: none"> • In case of operating the reservation function or the other function with door opened. Close the door, then the error display is resolved. • The door switch is out of order.
6	IMBALANCE ERROR		<ul style="list-style-type: none"> • The appliance is tilted. • Laundry is gathered to one side.
7	HEATING ERROR		<ul style="list-style-type: none"> • The THERMISTOR is out of order.

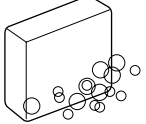
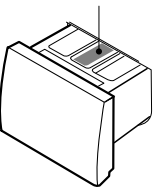
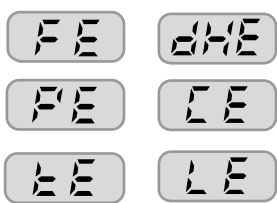
	ERROR	SYMPTOM	CAUSE
8	CURRENT ERROR		<ul style="list-style-type: none"> • MAIN PWB ASSEMBLY is out of order <ul style="list-style-type: none"> ☞ Replace the MAIN PWB ASSEMBLY • Winding in the STATOR ASSEMBLY is short-circuited. <ul style="list-style-type: none"> ☞ Replace the STATOR ASSEMBLY • “CE ” is displayed during a high spin <ul style="list-style-type: none"> ☞ Replace the LEAD WIRE ASSEMBLY (MOTOR)
9	MOTOR ERROR		<ul style="list-style-type: none"> • The connector in the LEAD WIRE ASSEMBLY is not connected to the connector of STATOR ASSEMBLY <ul style="list-style-type: none"> ☞ Reconnect or repair the connector • The hall sensor is out of order/defective. <ul style="list-style-type: none"> ☞ Replace the STATOR ASSEMBLY
10	DRY HEATOR ERROR		<ul style="list-style-type: none"> • The Dry Heater is out of order <ul style="list-style-type: none"> ☞ Replace the Dry Heater • The Connector of the Dry Heater is not connected properly to the connector in the Main PWB ASSEMBLY <ul style="list-style-type: none"> ☞ Reconnect or repair the connector • The Dry fan motor is out of order <ul style="list-style-type: none"> ☞ Replace the fan Motor.

8. ERROR DIAGNOSIS AND CHECK LIST

8-1. DIAGNOSIS AND ANSWER FOR ABNORMAL OPERATION

SYMPTOM	GUIDE FOR SERVICE CALL
<p>NO POWER</p>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 65%;"> <p>Is the power plug connected firmly to 220-240V~ outlet?</p> <p style="text-align: center;">YES</p> <p>Power failure? or Breaker opened?</p> <p style="text-align: center;">NO</p> <p style="text-align: center;">Visit to check</p> </div> <div style="width: 30%; text-align: center;">  </div> </div>
<p>Water inlet trouble</p> <div style="text-align: center; margin-top: 20px;">  </div>	<div style="display: flex; justify-content: space-between; align-items: center;"> <div style="width: 65%;"> <p>Is " IE " displayed?</p> <p style="text-align: center;">YES</p> <p>Is the tap opened?</p> <p style="text-align: center;">YES</p> <p>Is the tap frozen?</p> <p style="text-align: center;">NO</p> <p>Is the water supply shut-off?</p> <p style="text-align: center;">NO</p> <p>Is filter in the inlet valve clogged with foreign material?</p> <p style="text-align: center;">NO</p> <p style="text-align: center;">Visit to check</p> </div> <div style="width: 30%; text-align: center;">  </div> </div> <div style="margin-top: 20px; text-align: right;"> <p>YES</p> <p>Clean the filter of inlet valve</p>  </div>

SYMPTOM	GUIDE FOR SERVICE CALL
<ul style="list-style-type: none"> • Door does not open • Error displayed on the program 	<p>Started with door opened? YES </p> <p>NO</p> <p>Close the door </p> <p>Visit to check</p> <p><Check if the door switch is O.K.></p>
<ul style="list-style-type: none"> • DRAIN TROUBLE 	<p>Is "E2" displayed? YES</p> <p>Is the debris filter clogged with foreign material such as pin, coin and etc.? YES Clean up the filter. </p> <p>NO</p> <p>Is the drain hose frozen with water, kinked or crushed? NO</p> <p>Visit to check </p>

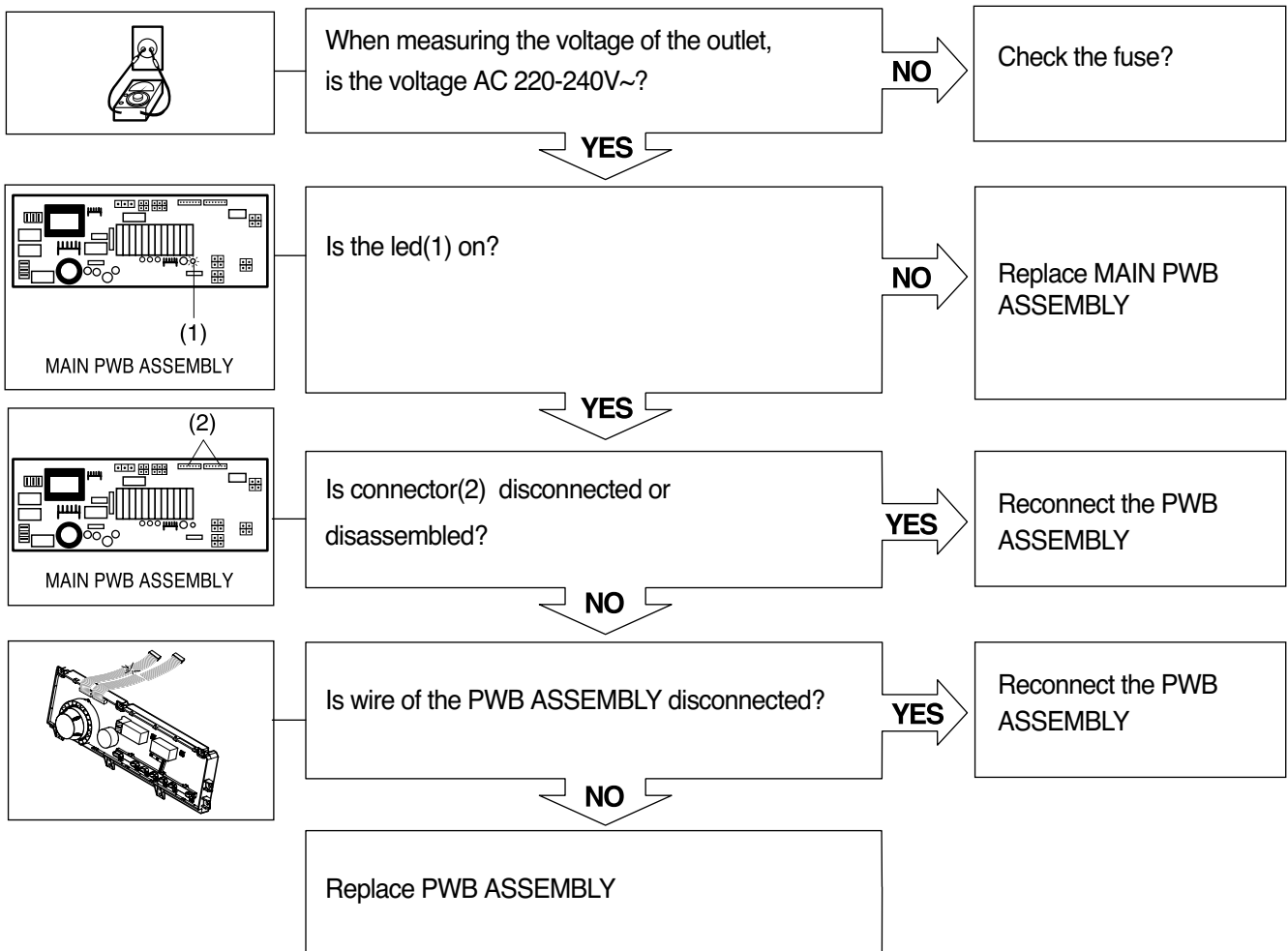
SYMPTOM	GUIDE FOR SERVICE CALL	
<p>◦ Suds overflow from the appliance. (In this condition, wash and spin do not operate normally)</p>	<p>Is low-sudsing detergent for the drum washing machine used?</p> <p style="text-align: center;">YES</p> <p>Is the proper amount of detergent used as recommended?</p> <p style="text-align: center;">YES</p> <p>Recommend to reduce the using amount of detergent.</p> <p>* This appliance has the automatic suds sensing function which operates under much suds condition for good rinse and preventing overflow. * When much suds are sensed, suds removing function such as drain, water input and pause will operate without rotating the drum.</p>	 <p>LOW-SUDSING</p>
<p>◦ No effect of softener</p>	<p>Is softener put in the correct compartment of the drawer?</p> <p style="text-align: center;">YES</p> <p>Is the drawer closed during wash?</p> <p style="text-align: center;">YES</p> <p>Is the softener cap clogged?</p> <p style="text-align: center;">YES</p> <p>Explain how to use softener</p> <p>< Clean the compartment for softener ></p>	<p>Compartment for softener</p> 
	<p style="text-align: center;">Visit to check</p>	

8-2.FAULT DIAGNOSIS AND TROUBLE SHOOTING

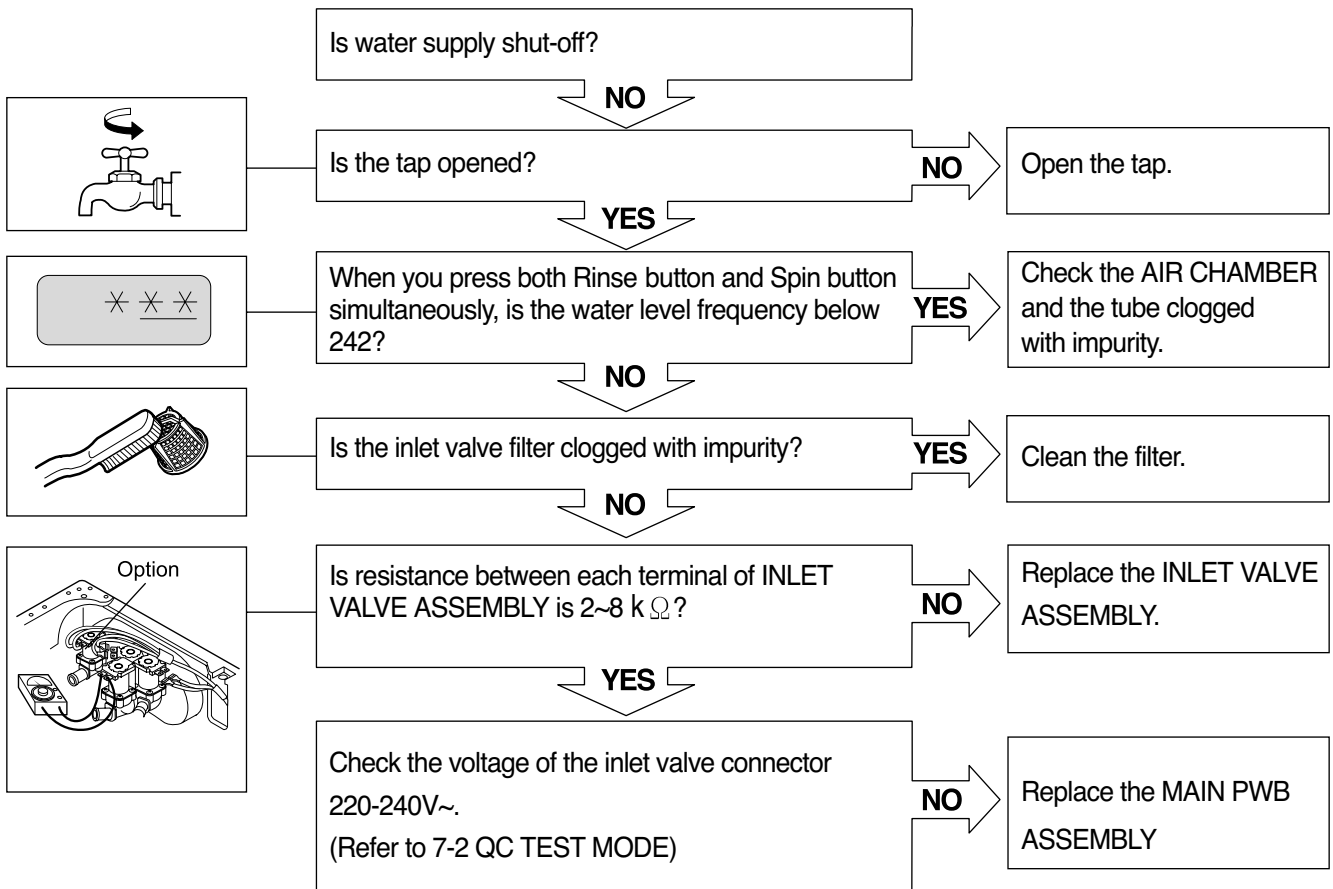
CAUTION

1. Be careful of electric shock or disconnecting the parts while trouble shooting.
2. First of all, check the connection of each part terminal with wiring diagram.
3. If you replace the MAIN PWB ASSEMBLY, Put in the connectors correctly.

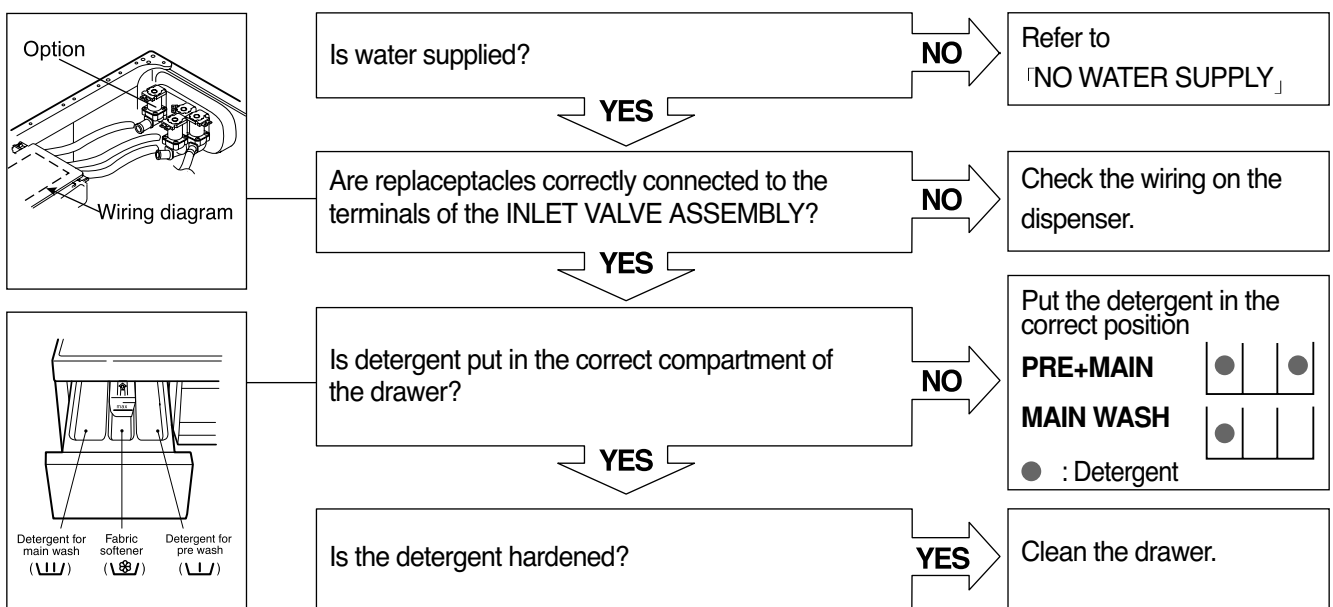
NO POWER



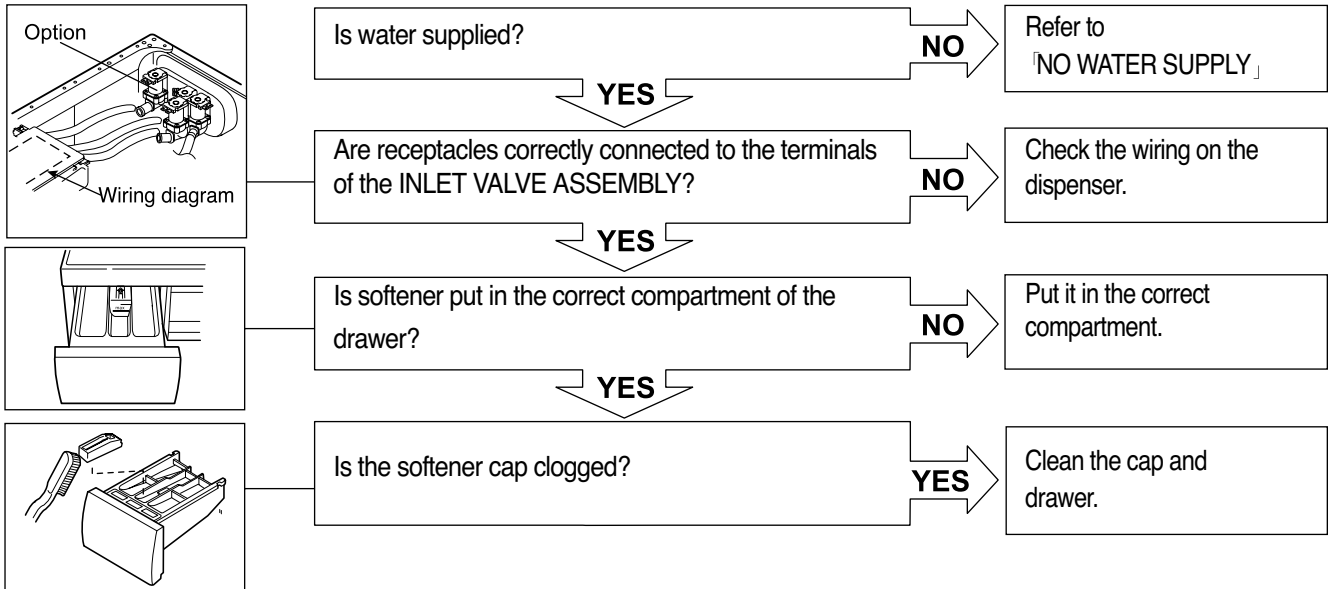
NO WATER SUPPLY



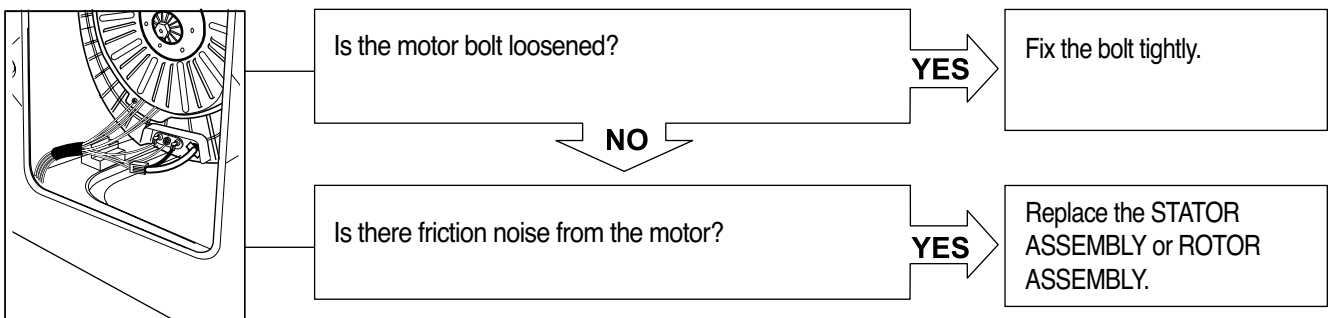
DETERGENT DOES NOT FLOW IN



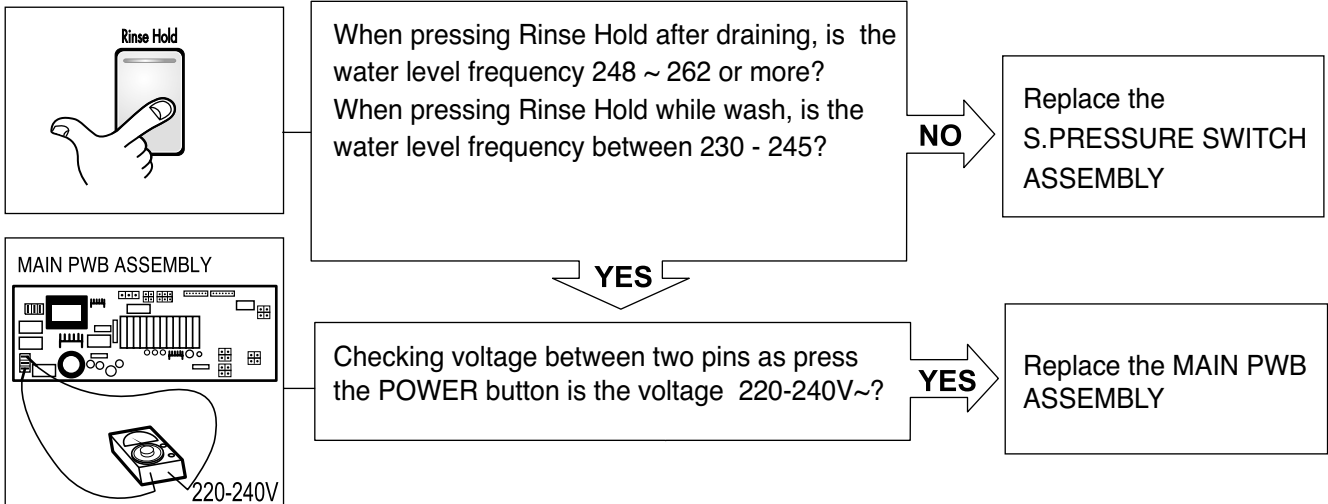
SOFTENER DOES NOT FLOW IN



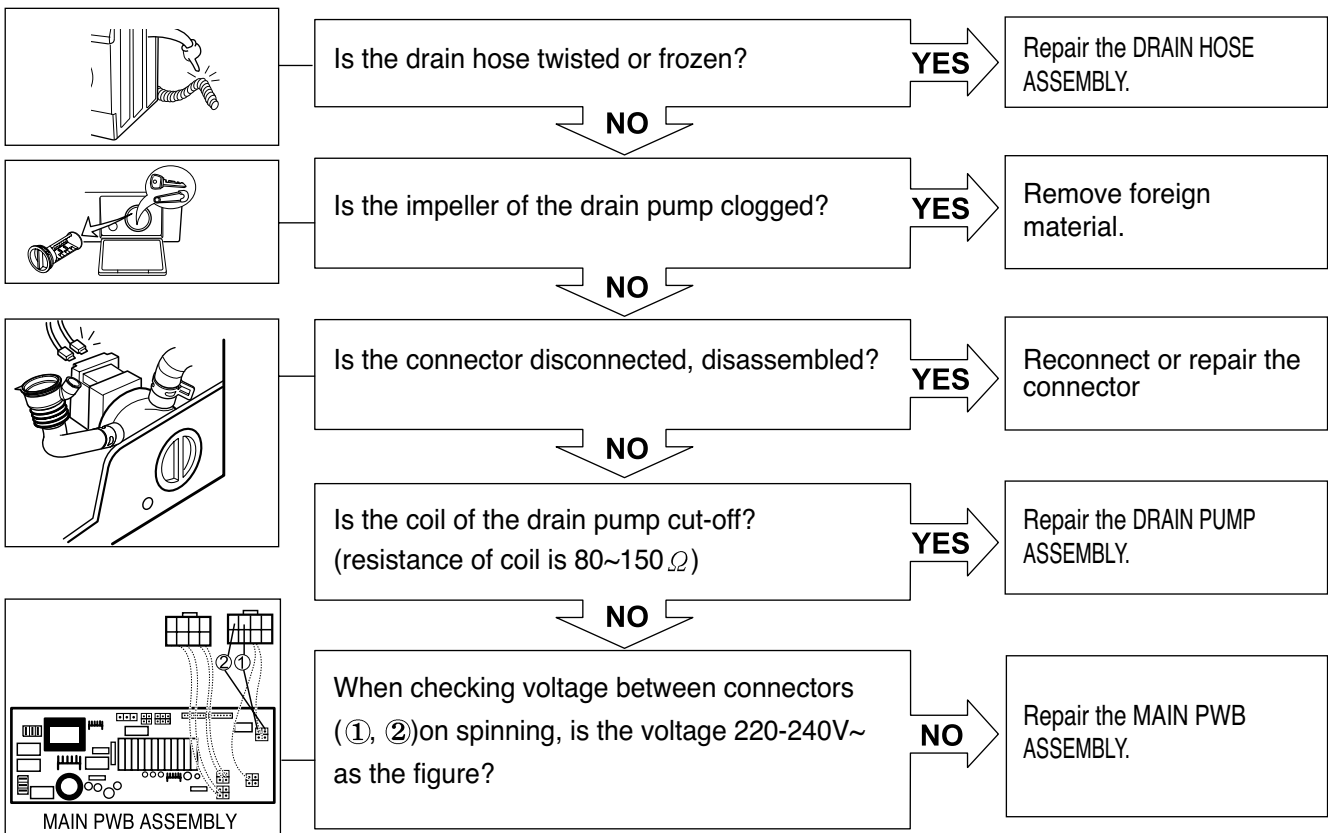
ABNORMAL SOUND



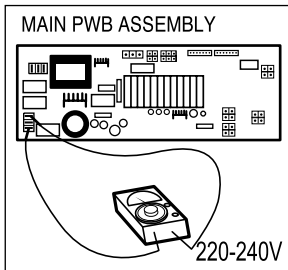
HEATING WITHOUT WATER



DRAIN MALFUNCTIONING



WASH HEATER TROUBLE

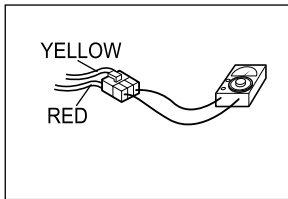


When checking the voltage between connectors (①, ②) during whites washing, Is the voltage 220 - 240V ~?

NO

Replace the MAIN PWB ASSEMBLY

YES

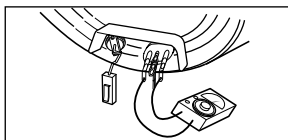


After power off, is the resistance of wire (RED-YELLOW) connectors between 10Ω ~30Ω?

YES

Normal

NO

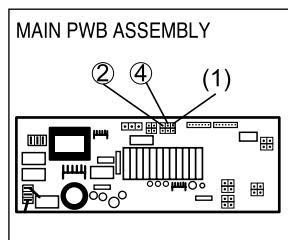


After power off and the heater terminal is disconnected, is the resistance 10~30Ω?

NO

Replace the HEATER ASSEMBLY

HEATING CONTINUOUSLY ABOVE THE SETTING WATER TEMPERATURE

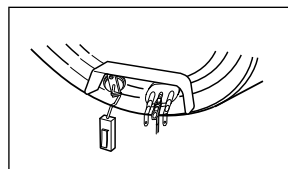


When disconnect the connector (1) on the MAIN PWB ASSEMBLY is the resistance of the natural connectors [②(White/Red), ④(Blue/White)] between 2.5kΩ to 180kΩ (105°C~0°C)?

NO

Replace the THERMISTOR (6322FR2046C)

YES

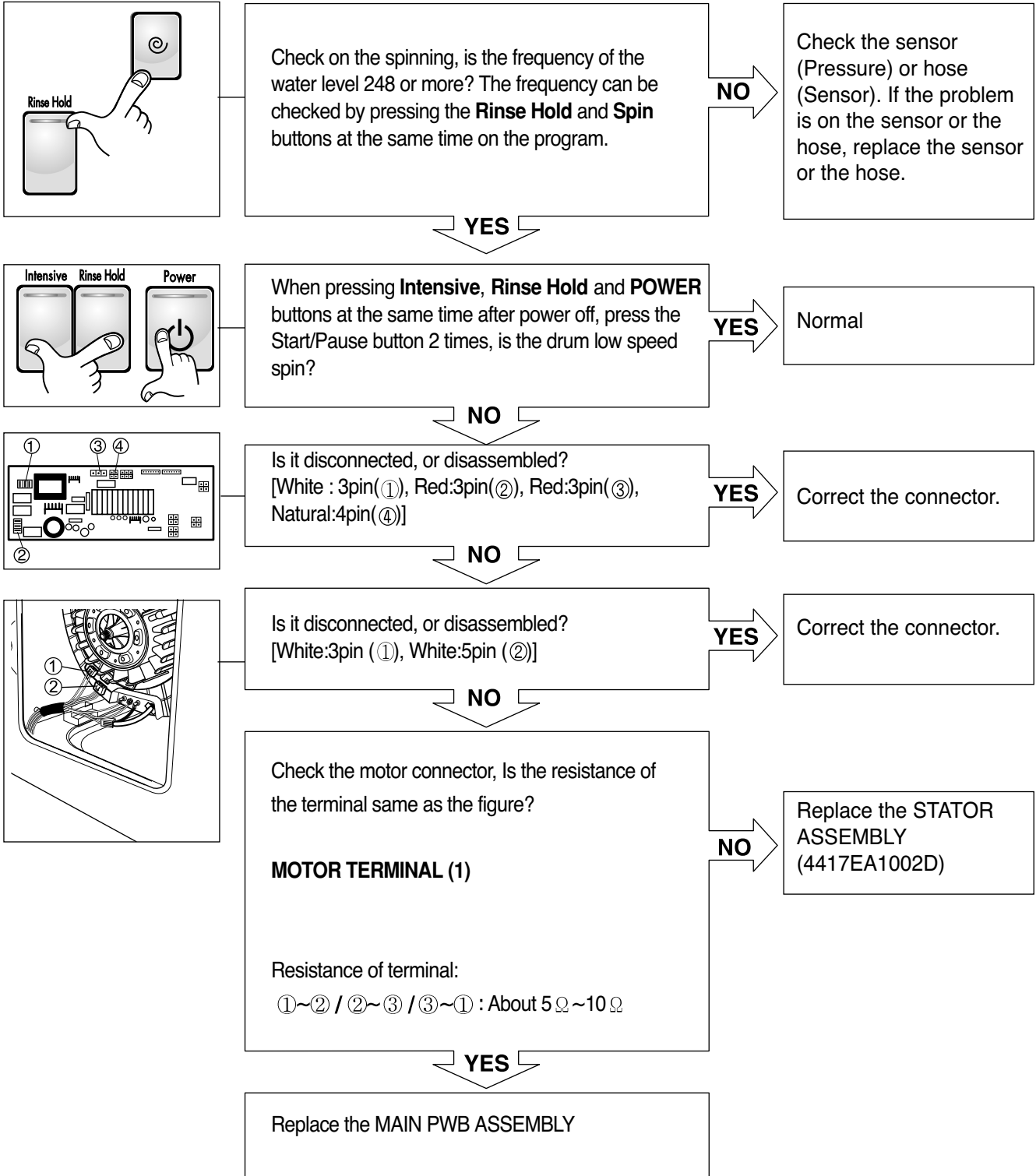


When checking THERMISTOR on the tub is the THERMISTOR loosened above 2mm from the rubber?

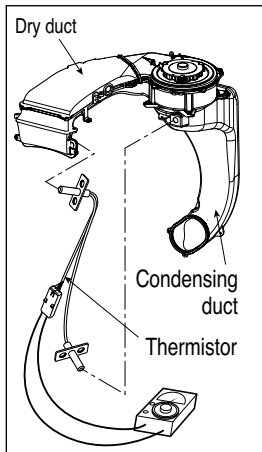
YES

Push the THERMISTOR tightly to the rubber.

SPIN TROUBLE



[dHE] ERROR DISPLAY



Is the resistance of 1 thermistors on dry duct $2.5k\Omega \sim 180k\Omega$ (at $105^{\circ}\text{C} \sim 0^{\circ}\text{C}$)

NO

Replace the thermistor.
(6322FR2046L)

YES

CHECK FOR DRY HEATER TROUBLE

CHECK FOR DRY FAN MOTOR TROUBLE

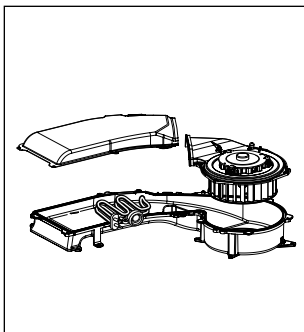
Disassemble the condensing duct.
Is there any foreign object in condensing duct.

YES

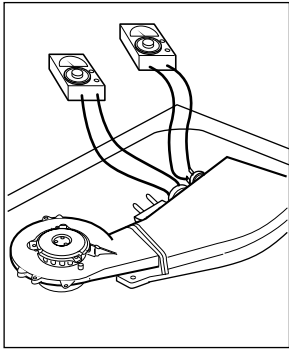
Clean the condensing duct.

NO

Disassemble the dry fan assy and dry duct upper, and clean foreign object in duct and fan.



DRY HEATER TROUBLE



After power off, is the resistance of dry heater 10 ~ 40Ω?

NO

Replace the dry heater.

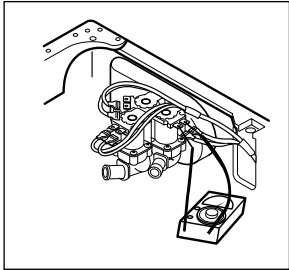
YES

Is thermostat closed?

NO

Replace the thermostat.

YES

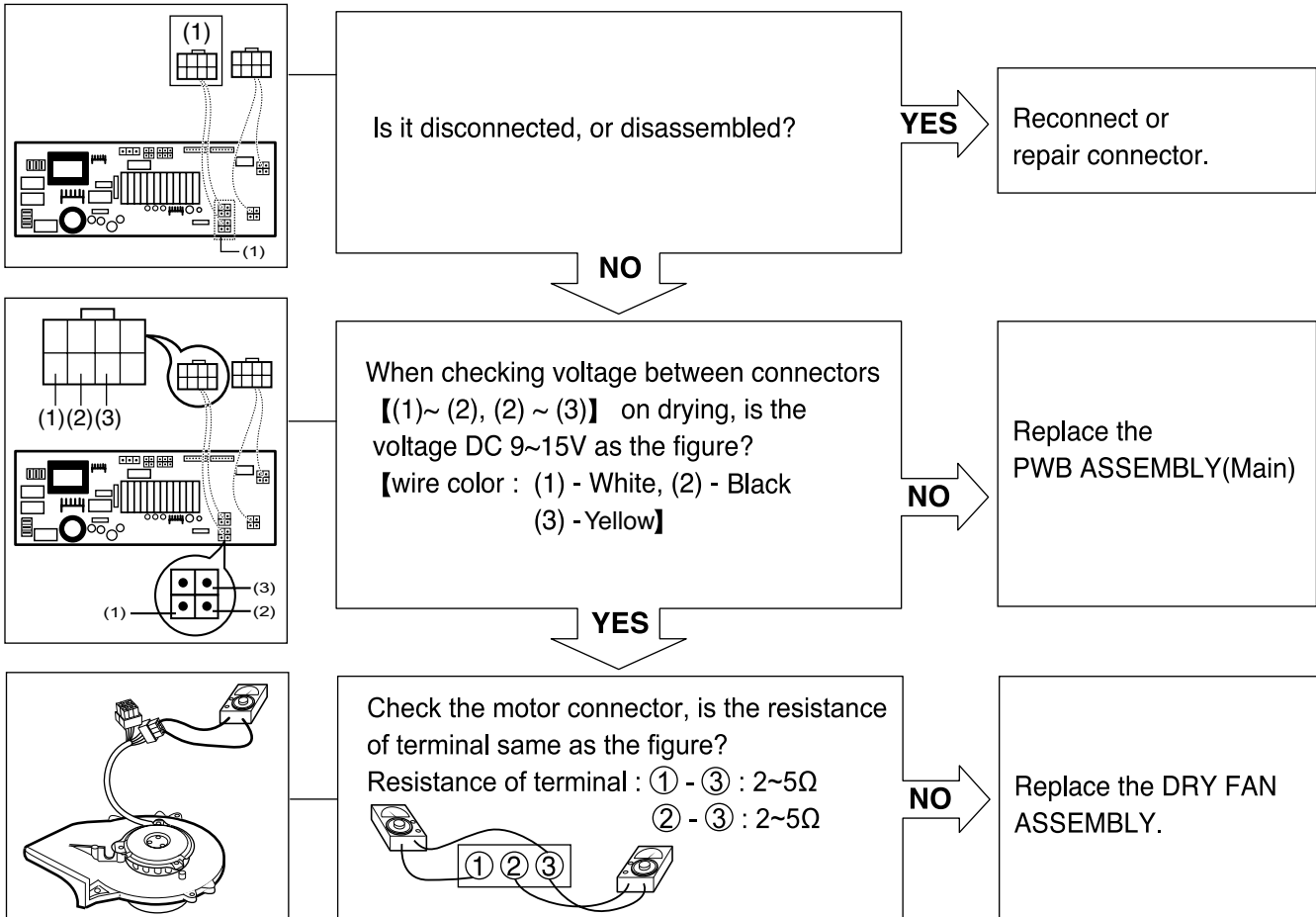


When checking voltage between connectors (① , ②) on drying, is the voltage AC 220-240V as the figure?
(wire color : ① - Yellow/Black , ② - Black)

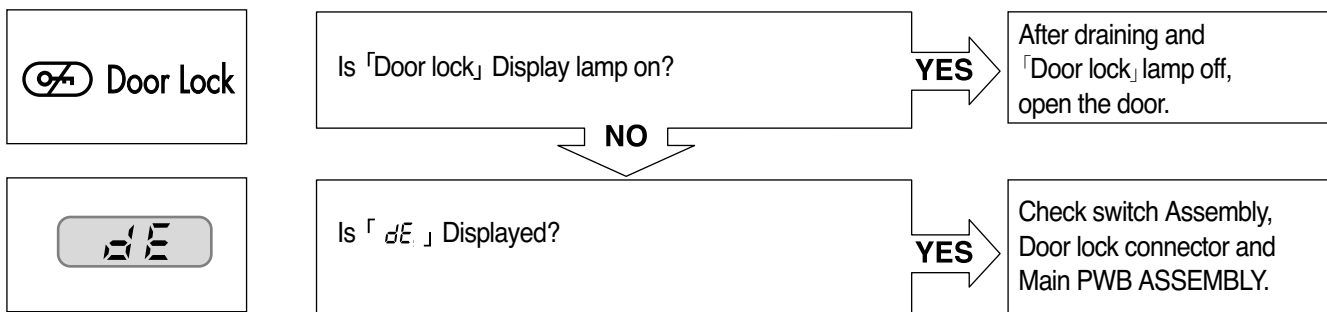
NO

Replace the PWB ASSEMBLY(Main)

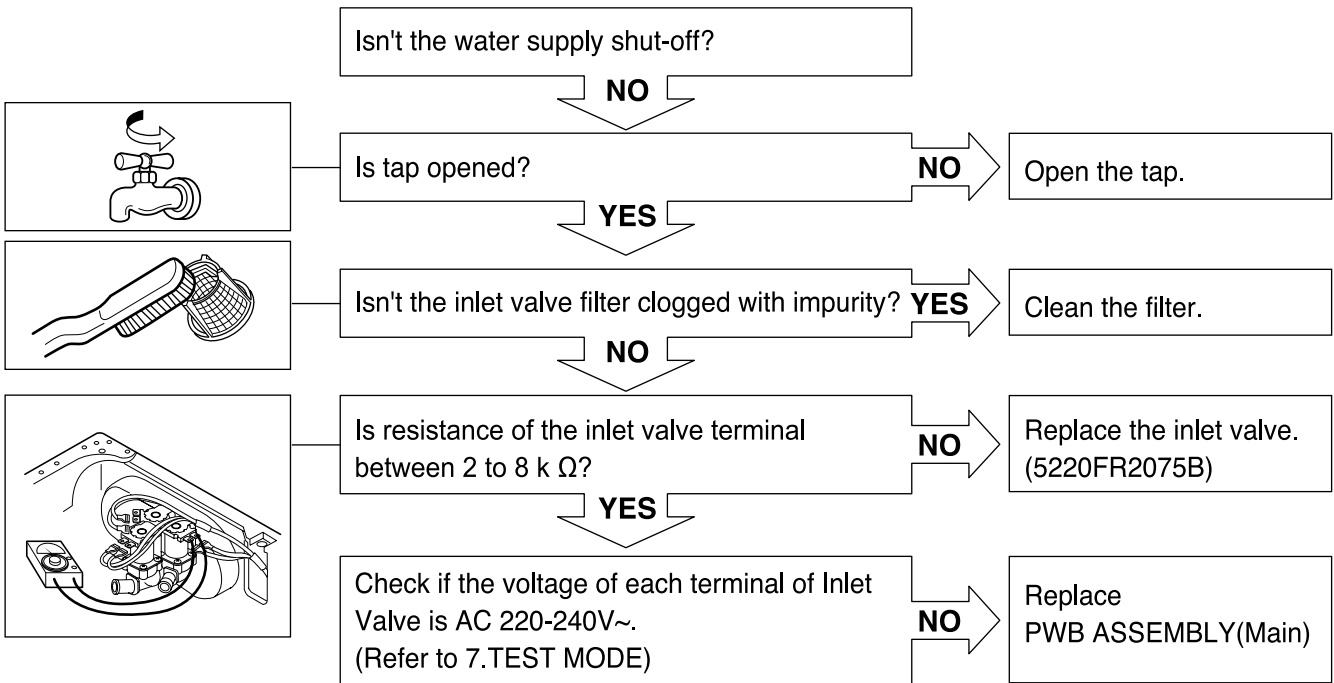
DRY FAN MOTOR TROUBLE



DOOR DOES NOT OPEN



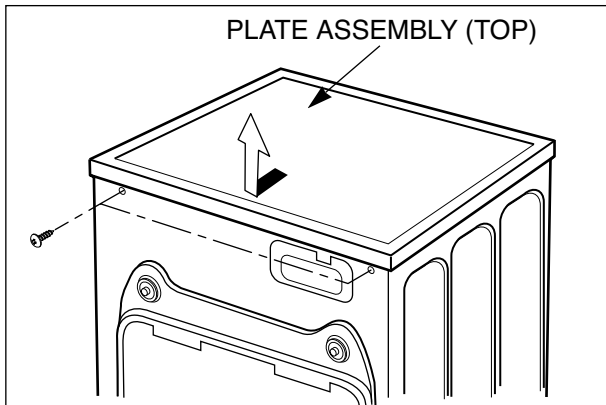
LOT OF VAPOR IN DRAWER WHEN DRYING



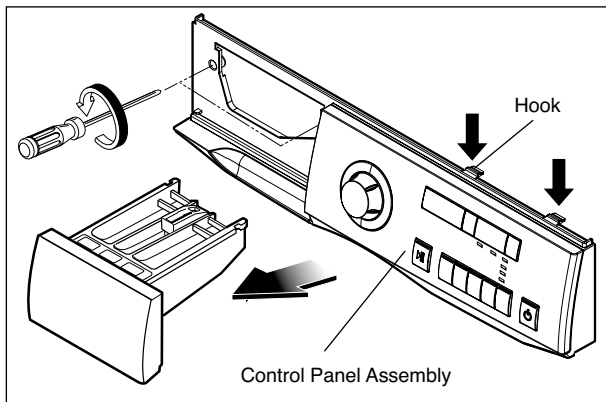
9. DISASSEMBLY INSTRUCTIONS

* Disassemble and repair the parts after pulling out power cord from the outlet.

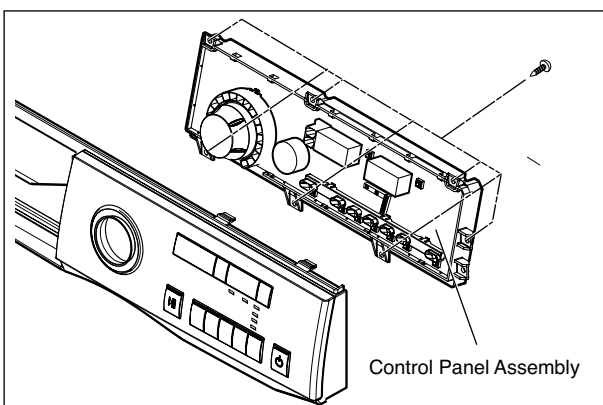
CONTROL PANEL



- ① Unscrew 2 screws on the back of the top plate.
- ② Pull the top plate backward and upward as shown.

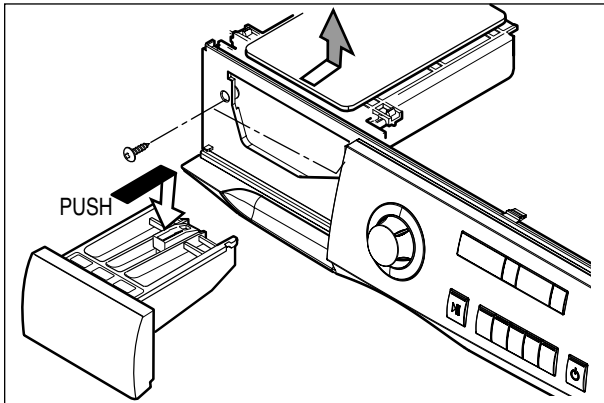


- ① Disconnect the ASSEMBLY connector.
- ② Pull out the drawer and unscrew 2 screws.
- ③ Push 2 upper hooks down and pull the control panel.

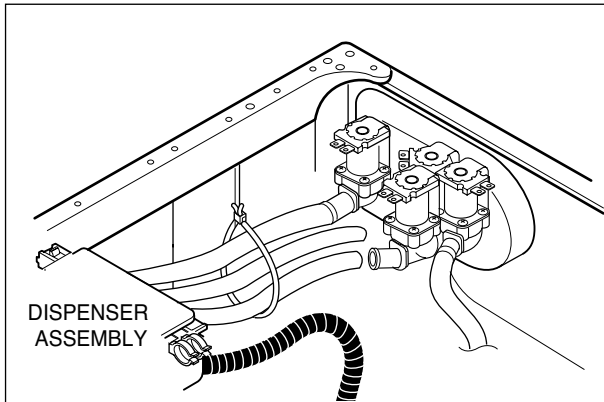


- ① Disconnect the PWB ASSEMBLY from the control panel by unscrewing 7 screws.

DISPENSER ASSEMBLY

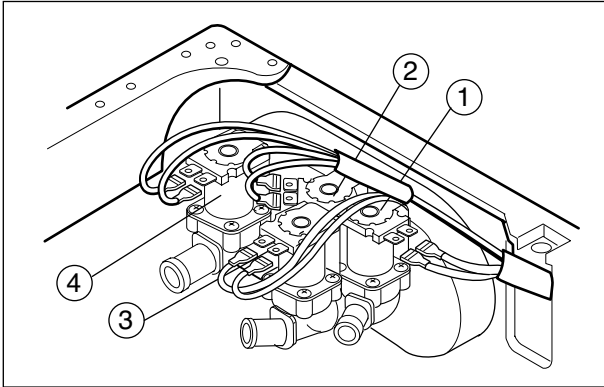


- ① Disassemble the Top Plate Assembly.
- ② Pull the drawer to arrow direction.
- ③ Two screws are unscrewed.



- ① The hose clamps and the hose are disassembled.
- ② The ventilation bellows are disassembled on the tub.

INLET VALVE

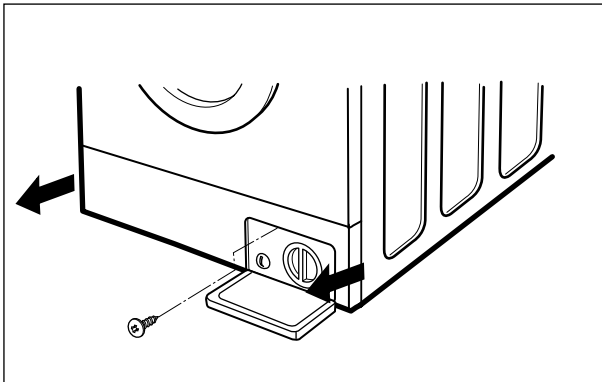


- ① Disconnect the wiring connector.
- ② Remove the valve by two screws of the valve holder.

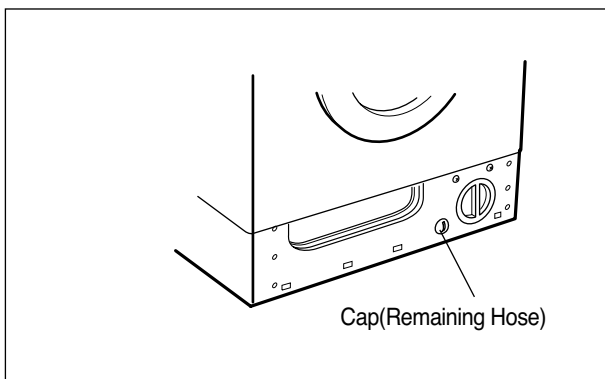
* When reconnecting the connector

VALVE ① (DRY)	YL/BK - BK
VALVE ② (PRE-WASH)	GY/WH - BK
VALVE ③ (NORMAL-WASH)	WH/BK - BK
VALVE ④ (HOT)	BL/RD - BK

COVER LOWER



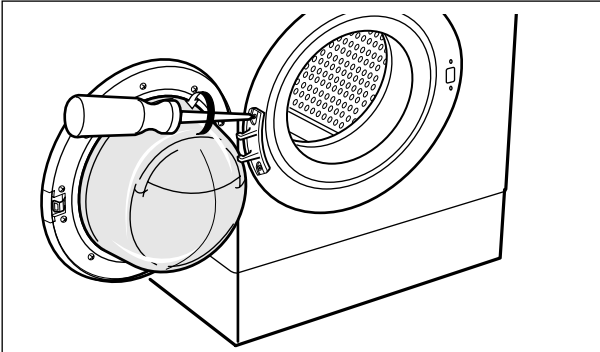
- ① Remove the lower cover to arrow direction after one screw is unscrewed.



Removing method of remained water

- ① Rotate the Cap(Remaining Hose) to arrow direction.
 - ② Pull it out from hose.
- * First, prepare a bucket to put in the remained water.

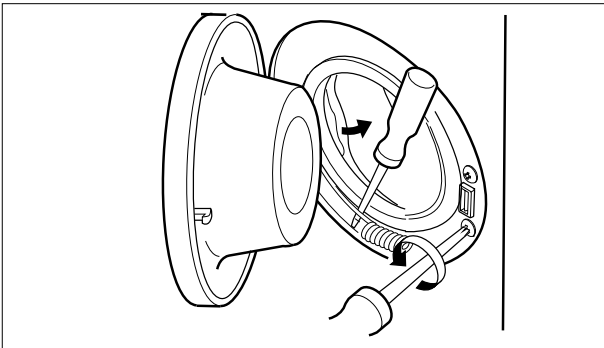
DOOR



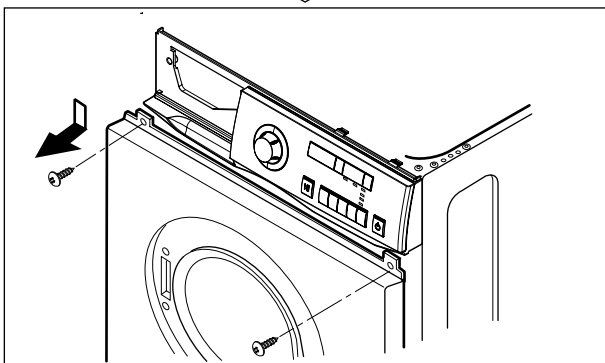
- ① Open the door completely.
- ② Remove the two screws from the hinge.

※ When removing the Door Assembly, it is necessary to hold the Bracket that is inner of the Cabinet Cover.

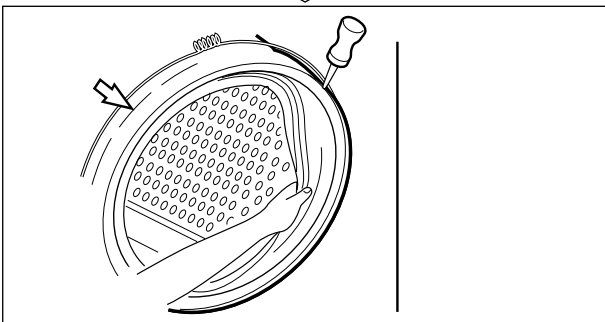
GASKET



- ① Take apart the CLAMP ASSEMBLY (cabinet).
- ② Unscrew 2 screws from the CABINET COVER.
- ③ Open the lower cover cap and unscrew 1 screw inside
- ④ Take apart the LOWER COVER.

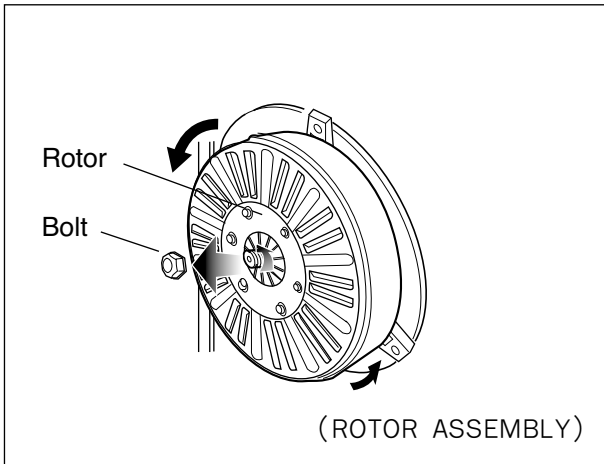


- ① Disassemble the CONTROL PANEL ASSEMBLY.
(Refer to page 29)
- ② Unscrew all the screws on the upper and lower sides of the CABINET COVER.

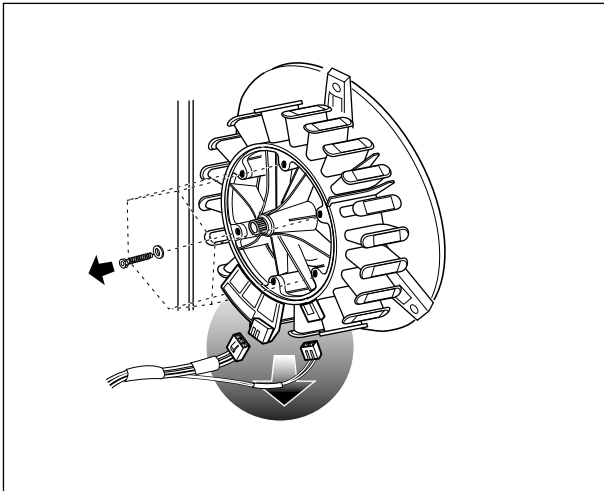


- ① Take apart the tub CLAMP ASSEMBLY
 - ② Make sure that the drain hole of the GASKET is put beneath when reassembling the GASKET.
- ※ Refer to the arrow mark on the TUB COVER.

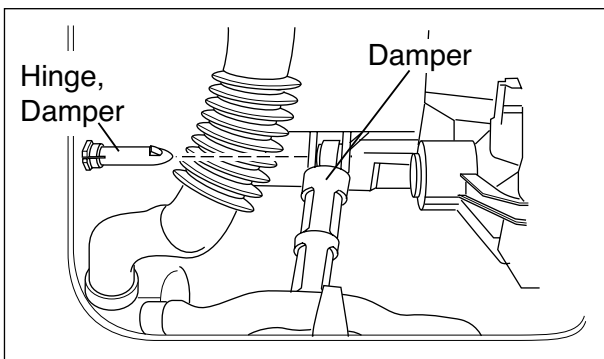
ROTOR ASSEMBLY, STATOR ASSEMBLY, FRICTION DAMPER



- ① Remove the back cover.
- ② After loosening the bolt, Rotor, pull out the rotor.

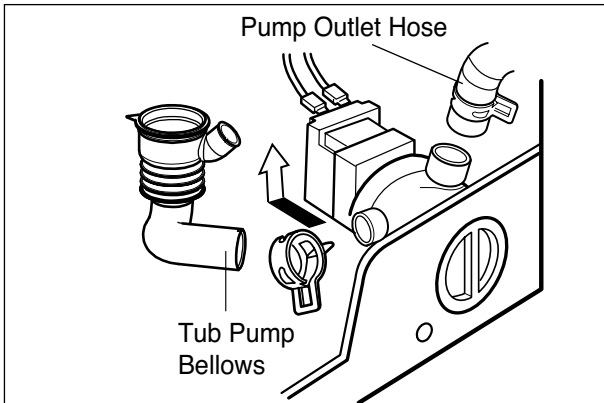


- ① Remove the 6 bolt from the stator.
- ② Disconnect the 2 connectors.



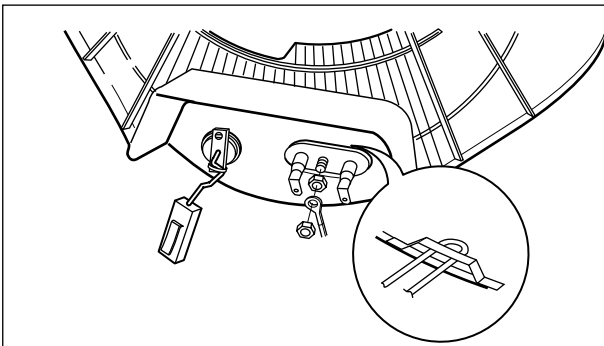
- ① Remove the bolts at the Tub.
- ② The Hinge(Damper) at the base is pulled off pressing on the snaps at the sharp end.
- ③ The hinge at the base is pulled off.
(To arrow direction)

PUMP



- ① Remove pump outlet hose.
- ② Remove tub pump bellows.
- ③ Remove cap(Remaining Hose).
- ④ Disconnect the wiring.
- ⑤ Three screws are unscrewed from the cabinet.
- ⑥ Remove the pump to arrow direction.

HEATER

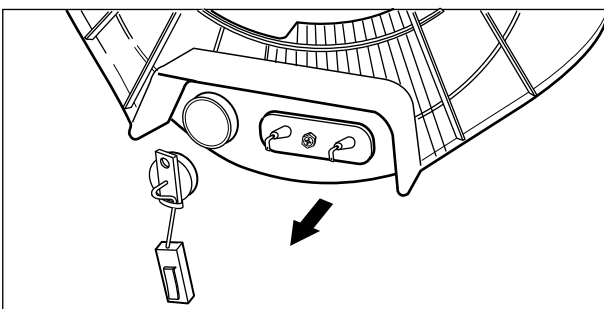


- ① Loosen the nut.
- ② Remove washing heater by pulling out.

CAUTION

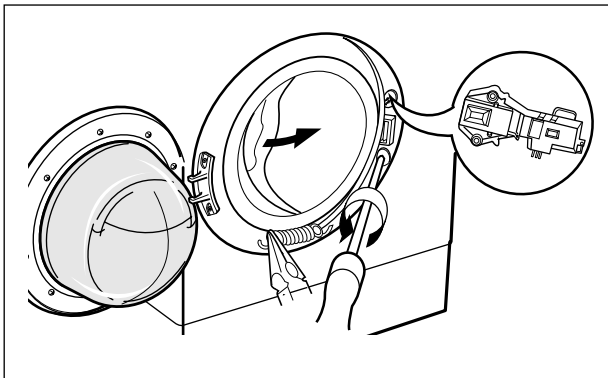
When assembling the washing heater, insert the heater to heater clip on the bottom of tub.

THERMISTOR



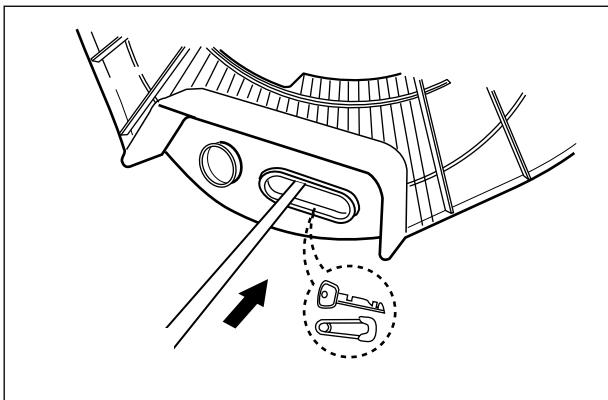
- ① Pull it out by holding the thermistor bracket.
* If holding the wire and pulling out it, it may be broken.

SWITCH ASSY, DOOR LOCK



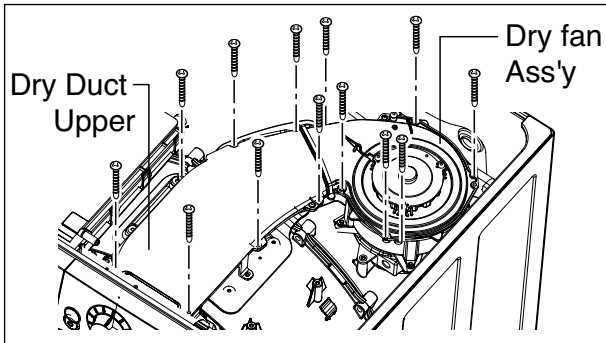
- ① The cabinet cover clamp is removed and the gasket is released.
- ② Two screws are unscrewed.
- ③ The door lock S/W is disconnected from the wiring connector and the strap.

WHEN FOREIGN OBJECT STUCK BETWEEN DRUM AND TUB

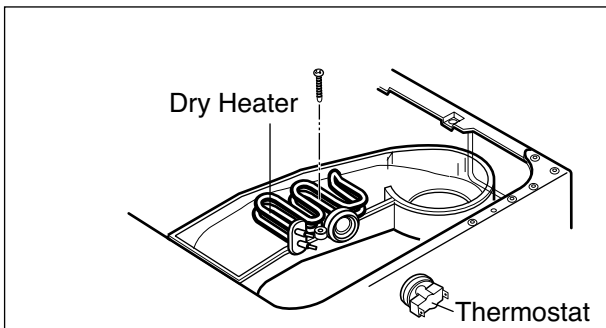


- ① Remove washing heater.
- ② Remove the foreign object(wire,coin,etc) by inserting long bar in the hole.

DRY DUCT

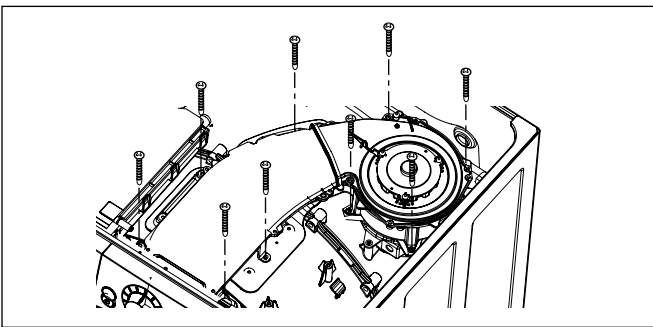


- ① Remove 6 screws and dry fan assembly.
- ② Remove 7 screws and dry duct upper.

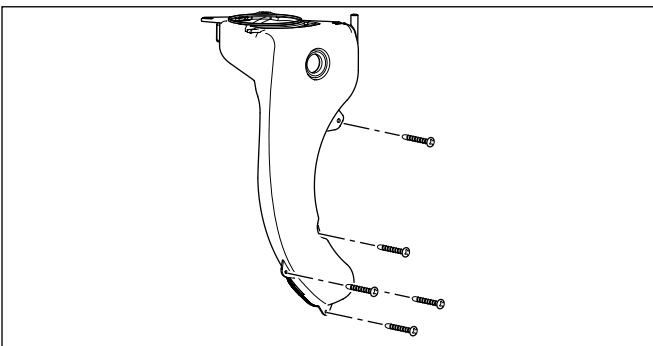


- ① Remove 1 screw and dry heater.
- ② Remove thermostat.

CONDENSING DUCT



- ① Remove 17 screws from Dry duct upper and Dry fan Assembly.



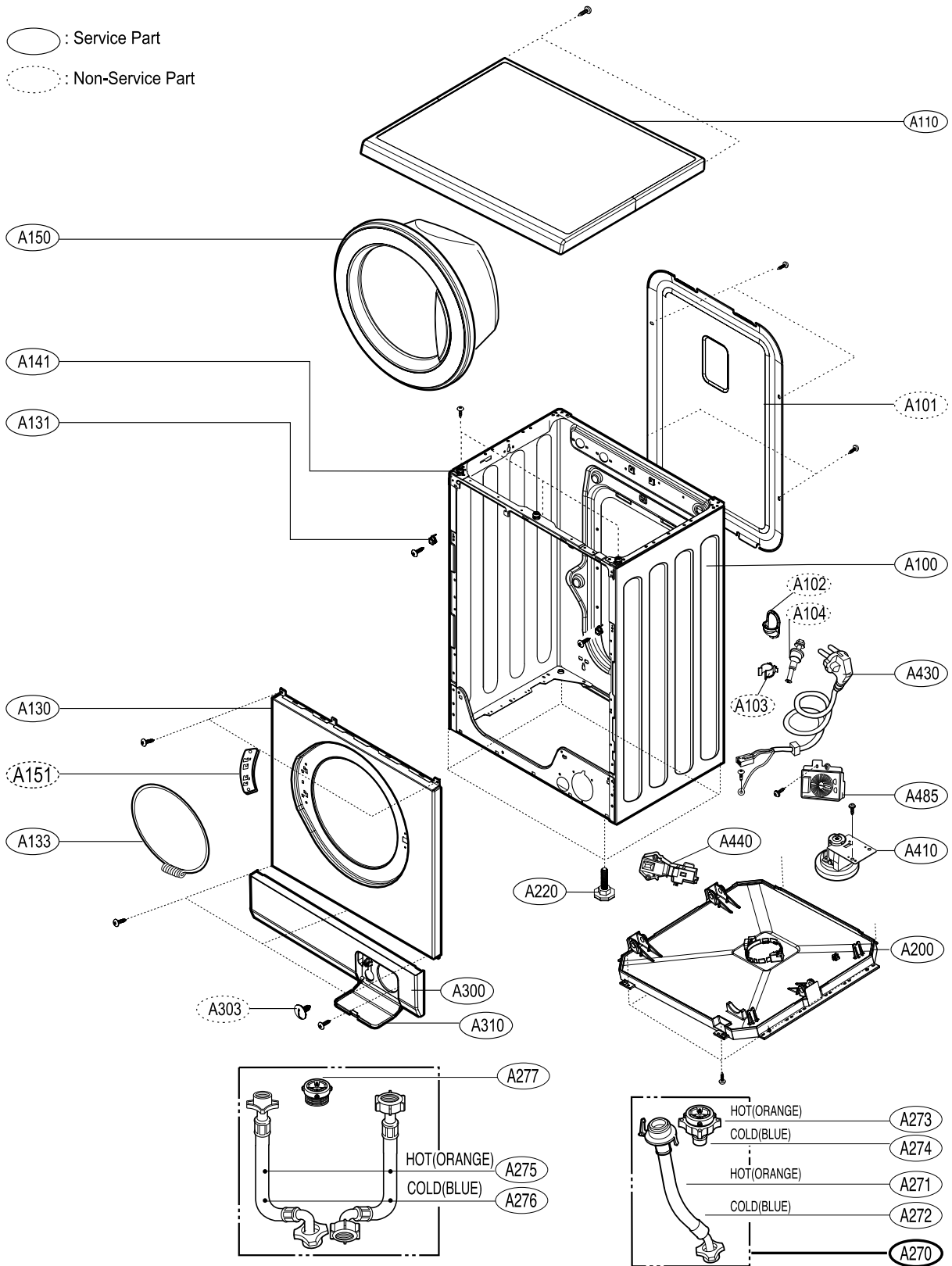
- ① Remove 5 screws and condensing duct.

10. EXPLODED VIEW AND PART LIST

10-1. THE PART LIST OF CABINET ASSEMBLY

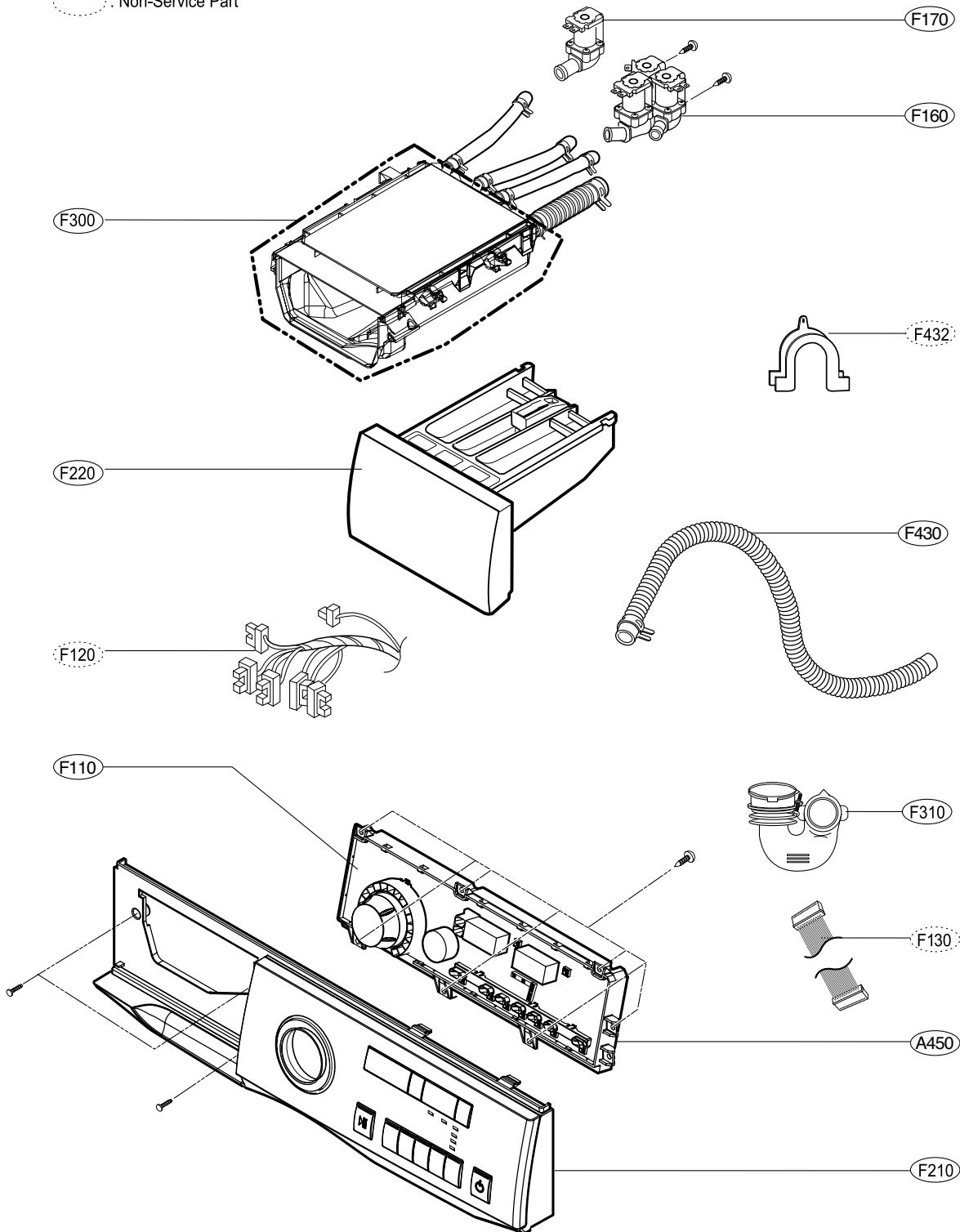
○ : Service Part

○ : Non-Service Part

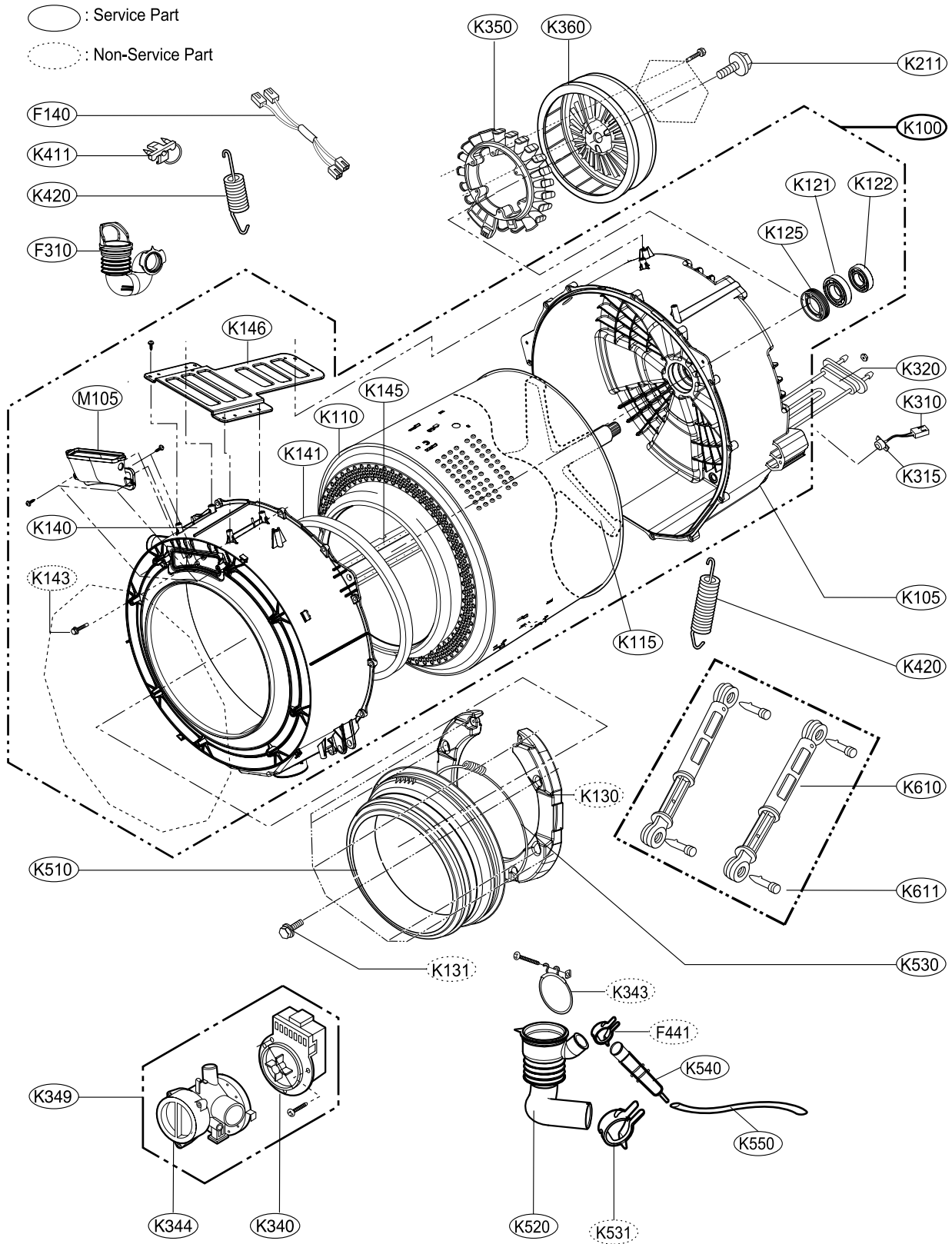


10-2 THE EXPLODED VIEW OF CONTROL PANEL & DISPENSER ASSEMBLY

○ : Service Part
○ : Non-Service Part



10-3 THE EXPLODED VIEW OF DRUM & TUB ASSEMBLY



10-4 THE EXPLODED VIEW OF DRYER

○:Non-service part

○:Service part

